Date: Wed, 1 Sep 93 04:30:20 PDT
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V93 #26
To: Ham-Digital

Ham-Digital Digest   Wed, 1 Sep 93   Volume 93 : Issue   26

Today's Topics:

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

Date: Tue, 31 Aug 1993 11:21:23 GMT
From: usc!howland.reston.ans.net!agate!doc.ic.ac.uk!uknet!pavo.csi.cam.ac.uk!cam-orl.co.uk!mda@network.ucsd.edu
Subject: 10GHz Link PCBs?
To: ham-digital@ucsd.edu

I am building the 10GHz / 2Mbps Link described in the 1993 ARRL handbook.
I am just at the point of making the PCBs, but thought I would check here
first to see if anyone knows of a source for these boards. The article
in the handbook gives no layout recommendations for the receiver board,
but does give a proposed layout for the preamp boards. If anyone has
built this system could they please provide hints and tips on what they
found to be a successful layout.

many thanks
--

Mike Addlesee
G1TFK

Date: Tue, 31 Aug 1993 14:09:29 GMT
From: swrinde!sdd.hp.com!col.hp.com!news.dtc.hp.com!srgenprp!
glenne@network.ucsd.edu
Subject: 10GHz Link PCBs?
To: ham-digital@ucsd.edu

Mike Addlesee (mda@cam-orl.co.uk) wrote:
: I am building the 10GHz / 2Mbps Link described in the 1993 ARRL handbook.
: I am just at the point of making the PCBs, but thought I would check here
: first to see if anyone knows of a source for these boards. The article
: in the handbook gives no layout recommendations for the receiver board,
: but does give a proposed layout for the preamp boards. If anyone has
: built this system could they please provide hints and tips on what they
: found to be a successful layout.

  Artwork, board supply and other information is available by anonymous ftp from col.hp.com under packet/n6gn. There is a README file as well.

73
Glenn n6gn

Date: 1 Sep 93 04:30:55 GMT
From: news-mail-gateway@ucsd.edu
Subject: CAPRA:Need German Transl
To: ham-digital@ucsd.edu

CAPRA, the Chicago Area Packet Radio Association, has received information about 23cm microwave digital transceivers and other equipment from a group of German amateurs.

We now have about 80 pages of documentation, theory, schematics, and other information which details the equipment which has been developed by this group of hams.

Unfortunately, all of the information is in German. We haven't found any volunteers - at least not yet, in our area, who would be willing to provide a translation for the material.

If you would considering offering your services, we would be most

grateful.

To discuss the matter, please call me at (708) 253-0046 in NW suburban Chicago. In not here, I'll return your call at whatever time is convenient for you.

One note - the materials are obviously of a technical nature; we suspect that a knowledge of basic German, while helpful, will be inadequate. However, if you are you are quite fluent in the language or have a strong technical background, this may be sufficient.

73 de Jim Chesner, Vice President - CAPRA

N9GBH@N9HSI.IL.USA.NOAM jchesner@holonet.net
70040.125@compuserve.com n9gbh%n9gbh.ampr.org@ke9yq.ampr.org

Date: 1 Sep 93 05:15:16 GMT
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!howland.reston.ans.net!darwin.sura.net!rouge!cfm1471@network.ucsd.edu
Subject: Comments please on MFJ 1270B and 1274 TNC's
To: ham-digital@ucsd.edu

>The 1274 is a multi-mode modem. The hardware is very simple -- a rather
>crude PLL type modulator/demodulator with raw serial input/output to
>two of the miscellaneous control lines of the serial interface to the
>host computer. ALL the decoding is done by a software program (supplied)
>in the host PC. This means you MUST use a standard IBM clone.
>
>Note that the 1274 does not use the TXD and RXD bits to send and recieve
>the serial data, but uses some handshake lines (I forget which ones)
>with the PC doing some kind of parallel poll to do the decoding.
>This means if your PC's serial interface is in any way non-standard,
>it might not work. Mine didn't. I later found out that one of the
>wires on the connector was mis-wired. However, it worked fine with
>my Hayes-compatible modem and my Kantronics TNC.
>
>The 1274 has no pre-filtering of the received signal. To get decent
>performance on RTTY, CW, FAX, etc. I would recommend some kind of
>external filter ahead of the unit. Either selectible IF filters in
>your HF transceiver or perhaps a variable-bandwidth audio filter
>like the W9GR DSP unit.
>
Alan, i think you have the 1274 mixed up with another tnc from MFJ.
Isnt the 1274 the same as the 1270 except it gives you the HF tuning
indicator?

Charlie

Charles Morrison KI5XP   Internet: ki5xp@ucs.usl.edu
U. of Southwestern La.   Internet: cfm1471@ucs.usl.edu
Lafayette, La. 70506   Packet: KI5XP@K5ARH.LA
(318) 988-3821

          ****** Field Day (2A): W5DDL #2 in 92, #1 in '93 ******

Date: 31 Aug 93 18:43:00 GMT
From: blkcat!news@uunet.uu.net
Subject: Frequency Forum
To: ham-digital@ucsd.edu

The Frequency Forum Bulletin Board System in Vienna, VA now carries
this UseNet newsgroup.

Jack Anderson, Sysop

Internet: janderson@ram.net
(alternate) jack.anderson@f239.n109.z1.fidonet.org

                    -*-SCANNER BBS for VA, MD, DC!-*-
        -*-The Frequency Forum-*-(703) 207-9622-*-9600/V.32/MNP-*-
-*-Files, Frequencies and Discussion for Scanner Hobbyists/Radio Amateurs-*
***
 * SLMR 2.1a *

Date: 31 Aug 1993 03:25:14 GMT
From: munnari.oz.au!metro!sequoia!csmall@uunet.uu.net
Subject: Gracilis help?
To: ham-digital@ucsd.edu

bwm@st.simbirsk.su (Vladimir Barmin) writes:

>Hello all,
>I am trying to attach Gracilis PackeTwin controller to UNIX software:
>ISC 3.0 or 386BSD but look like I need driver for this device. Can
>anyone help with it?

I'm going to have a similiar problem, this time with Linux. It looks like
the only viable way (for my programming level) is to kludge something into
Wampes.

I was hopingh there might be a discussion group about the PackeTwins somewhere,
so I don't have to repeat something that (hopefully) someone has already done.

  - Craig vk2xlz

--
//   /\ | | | | | ... Craig Small   [44.136.8.58] ... ...
||==|--|====|====|===|==|=| ... INTERNET: csmall@uts.edu.au ... ...
\\   \/ | | | | | ... AMPR   : VK2XLZ@VK2XSB ... ...

Date: 31 Aug 93 15:37:35 GMT
From: news-mail-gateway@ucsd.edu
Subject: MFJ 1270, 1274, 1278
To: ham-digital@ucsd.edu

!Bob Nielsen (w6swe@w6swe.tapr.ORG) wrote:
!
!: In Ham-Digital Digest #22, Al, N1AL writes:
!
!: >The 1274 is a multi-mode modem. The hardware is very simple -- a
! rather
!: >crude PLL type modulator/demodulator with raw serial input/output to
!two
!: >of the miscellaneous control lines of the serial interface to the host
!: >computer. ALL the decoding is done by a software program (supplied) in
!: >the host PC. This means you MUST use a standard IBM clone.
!
!: You must have this confused with something else. The 1274 is
!: identical to the 1270B, except that a tuning indicator for HF
!: (similar to the TAPR tuning indicator) has been added.
!
!Yes, I guess I got my model numbers confused. The one I was talking about
!Is, I think, the MFJ-1278.

Still not completely accurate. I run my 1278 with a ADM-3a dumb terminal in
packet, amtor, RTTY, and CW. You are correct about the fax and SSTV modes.
They are decoded by the software in the PC.

Regards,
Rick
AB5ON
Rick_A._Martin.Oklahoma_City@Xerox.COM

Date: 31 Aug 93 12:13:27 GMT

From: ogicse!uwm.edu!psuvax1!psuvm!bds2@network.ucsd.edu
Subject: Packet Poltergeists ?
To: ham-digital@ucsd.edu

Last night I got a call from a neighboring ham to tell me my packet station was broadcasting bunches of ascii characters for several minutes on its own, with out having been connected to anyting. When he tried to connect, the station only sent out "]"'s to him. I am stumped as to the cause. The only thing I can think is that when it receives some packets that have non-text characters (like when local nodes are processing compressed mail), the terminal emulator on the PC starts to beep and clear the screen. Has anyone ever heard of that sort of garbage characters actually able to *initiate* a "packet storm" like what my station started? Needless to say, I don't leave it on unattended any more!

BTW, my setup:

MFJ1270 TNC
Tandy laptop PC running PC Plus terminal program
Azden PC3000-2m transceiver
2m 1/4 wave dipole in the attic.

Thanks for any help!

Brett N3EVB

Date: 31 Aug 93 18:37:10 GMT
From: psinntp!wlnntp.psi.com!usenet@uunet.uu.net
Subject: Packet Poltergeists ?
To: ham-digital@ucsd.edu

>DATE: 31 Aug 93 12:13:27 GMT
>FROM: BDS2@psuvm.psu.edu
>
>Last night I got a call from a neighboring ham to tell me my packet station
>was broadcasting bunches of ascii characters for several minutes on its own,
>with out having been connected to anyting. When he tried to connect, the
>station only sent out "]"'s to him. I am stumped as to the cause. The only
>thing I can think is that when it receives some packets that have non-text
>characters (like when local nodes are processing compressed mail), the
>terminal emulator on the PC starts to beep and clear the screen. Has anyone
>ever heard of that sort of garbage characters actually able to *initiate* a
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>BTW, my setup:

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>MFJ1270 TNC
>Tandy laptop PC running PC Plus terminal program
>Azden PC3000-2m transceiver
>2m 1/4 wave dipole in the attic.
>
>Thanks for any help!
>
>Brett N3EVB

Well, I have a thought, as far as a general answer goes...

My guess is that something triggered the terminal emulator to transmit
some sort of data. The TNC would then send this in UI frames.

By the way, if you set up the TNC to not monitor any traffic while not
connected, you should be able to avoid this.

-Seth

End of Ham-Digital Digest V93 #26
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